REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A0	INITIAL RELEASE		
A1	INCORP EN 53227-XX-A1		
A2	INCORP EN 53227-XX-A2		
A3	INCORP EN 53227-XX-A3		
A4	INCORP EN 53227-XX-A4	11/2	12-6-73

DEVICE ADDRESS DECODER

+5V
RPI-6 1K
PS0 (A5) 9 10 12 7486 8 3 5 4 836
(75) PB0

+5V
RPI-7 1K
PS1 (A4) 12 13 12 7486 11 5 6 836
(76) PB1

+5V
RPI-8 1K
PS2 (A3) 12 13 6 7486 11 11 5 10 836
(77) PB2

+5V
RPI-9 1K
PS3 (A2) 9 10 6 7486 8 13 5 12 836
(78) PB3

+5V
RPI-10 1K
PS4 (A1) 2 1 6 7486 3 9 5 8 836
(79) PB4

CONTROL BUS INPUTS

(57) EXEC — 13 4 12 7404 — EXEC (C4)

(58) IN — 1 4 2 7404 — IN (D4)

(62) OUT — 5 4 6 7404 — OUT (A3,A4)

(71) PLSE — 9 11 8 836 — (A3,A4,D4,B7) PLSE

(69) RST — 13 11 12 836 — RST (C4)

(72) ECHO — 11 11 10 B36 — ECHO (C7)

(67) IAR — 5 11 6 836 — IAR (B7)

(61) IOCL — 3 4 4 7404 — IOCL (B8)

(63) CLK — 3 11 4 836 — CLK (A11,A15)

OUTPUT COMMAND DECODER

(C4) OUT, (C1) FCI, (C4) PLSE — 9, 11, 10 — 39 — 6 — TLD (C12,B10)
862

(C4) OUT, (C4) PLSE — 12, 13 — 7408 — 11 — 33 — 5 — FC7 (B1) — 4 — 20 — 6 — 7408
OPF 7 — 3 836 13 4 — 5 846 4 19 6 — ENBL (B2,C2,A7)
(C3) INZX — 1 — 2 19 3 — 846

1 5 2 836 — DAXX (C2)
DAXX (D4,)

SELECT COMMAND DECODER

(C4) EXEC — 10 9 65 8 846 — 9 41 8 836 — INZX (C7,D7,C15,D15)
(B2) FC4
(C4) RST — 5 41 6 836 — INZX (A3,D7,C11,C12)

INPUT COMMAND DECODER

(B1) FC7 — 4 5 33 6 7408 — INF7 (D14)
(C4) IN, (C1) FCO, (C4) PLSE — 10 9 33 8 7408 — 9 10 17 8 846 — 11 24 10 836 — INPO (C7,D15)
RP2-4 +5V.
INFO (D14)

SENSE ENCODER

(D14) RCV, (C1) FCO — 1 2 17 3 846
(C11) TNX, (C1) FCI — 4 5 17 6 846 — 1 11 2 836 — 6 5 10 4 B58 — SER (64)
(B3) DAXX
264 ?

DATA BUS RECEIVERS

239 (B13) (39) DB00 — 3 6 836 — DB00 (A3,A10 B11)
240 (C5) (40) DB01 — 3 4 836 — DB01 (A3,A10 B11)
241 (C5) (41) DB02 — 1 3 2 836 — DB02 (A3 A10 B11)
242 (B5) (42) DB03 — 9 3 8 836 — DB03 (B3.A10 B11)
245 (B5) (45) DB04 — 11 3 10 836 — DB04 (B3 A10, B11)
246 (B5) (46) DB05 — 13 3 12 836 — DB05 (C3,A10. C11)
247 (B5) (47) DB06 — 9 4 8 7404 — DB06 (C3,B10, C11)
249 (B5) (48) DB07 — 11 4 10 7404 — DB07 (C10,C3 C11)

(A2) DB00 — 2 D Q — EN (C15)
(A2) DB01 — 3 D Q — EN (C11)
(A2) DB02 — 5 D Q — EN (A8)
(A2) DB03 — D Q — ECE (A10)
NBL 3 — 1 20 3 7408
2 — 7475 — C
1 — 7475 — C

(B2) DB04 — 2 D Q — CAL — 1 13 2 836 — 2 25 3 — A19 CA
MC 1488L SEE NOTE NO. 4.

(B2) DB05 — 7 D Q — CDL (D7) — 13 13 12 836 — 9 10 25 8 — A18 CD
MC 1488L SEE NOTE NO 4.

(B2) DB06 — 6 D Q — YL — 5 13 6 836 — 4 5 25 6 — A17 CY/SA/MB
MC 1488L SEE NOTE NO. 4.

(B2) DB07 — 7 D Q — NBL 3 — 10 9 19 8 B46 — BRK (A10)

FUNCTION DECODER

280 ? (B0) FB0 — 15 A
281 ? (B1) FB1 — 14 B
282 ? (B2) FB2 — 13 C
DAXX (B3) — 12 D
18
4 TO 10 DECODER
7442

0 — 1 13 12 24 2 836 — FC7 (A3) (C4)
1 — N/C
2 — 3 N/C
3 — 4 1 24 2 836 — FC4 (C4)
4 — 5 N/C
5 — 6 N/C
6 — 7 3 24 4 836 — FCI (D4,A3)
7 — 9 5 24 6 836 — FCO (D4)
8 — 10 N/C
9 — 11 N/C

NOTES: UNLESS O
1. ALL RESIS
2. REF DESIG
3. SEE DWG. N
4. VCC & GRD. ... GRD PIN 7. F...

...INECTIONS AS FOLLOWS: +15 PIN 14, -15 PIN 1, MC1488L ONLY.
53227-0X FOR ASSY. DWG.
...IONS NOT USED C15, C16.
...S ARE 1/4 WATT, 5%.
...RWISE SPECIFIED:

NOV 1ST 1974
K. Brier D/35

QTY	ITEM NO.	PART NO.	DESCRIPTION	MAT'L., VENDOR

LIST OF MATERIAL

DASH NO.	NEXT ASSY	QTY REQD

DR. [illegible]
CHK
DSG
ENGR
PROJ
REL

TOLERANCES
.X = ±.1
.XX = ±.03
.XXX = ±.010
ALL HOLE DIAMETERS ARE AFTER PLATING

COMPUTER AUTOMATION INC.
603 WEST SIXTEENTH STREET, NEWPORT BEACH, CALIFORNIA 92663

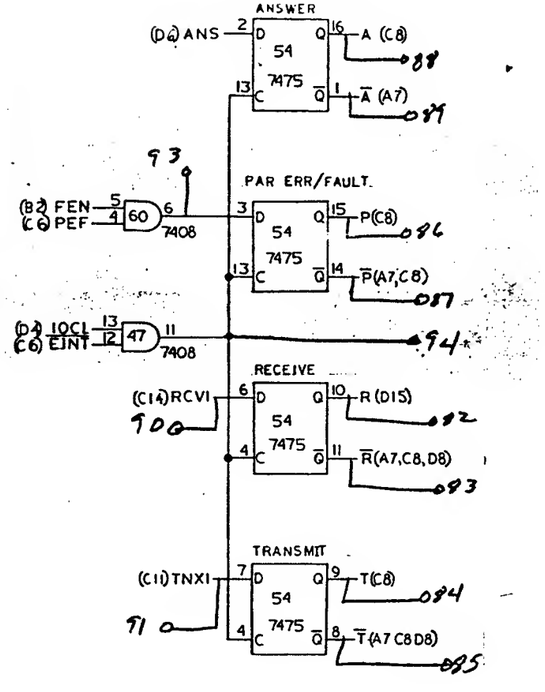
LOGIC DIAGRAM
ASYNCHRONOUS DATA SET CONTROLLER, ALPHA

SIZE D | 00-53227-XX | REV A4
SCALE = | SHT. 1 OF 4

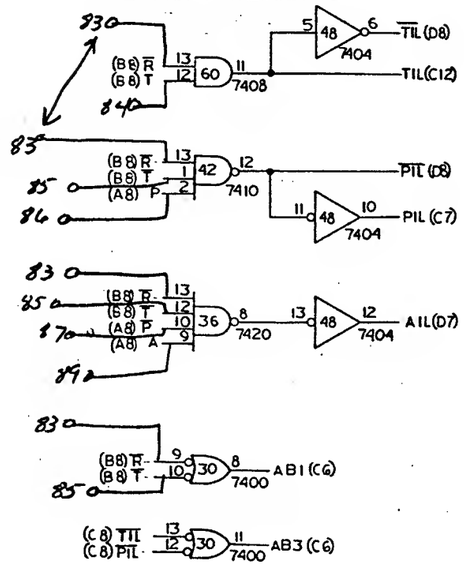
K-E

4 3 2 1
A B C D

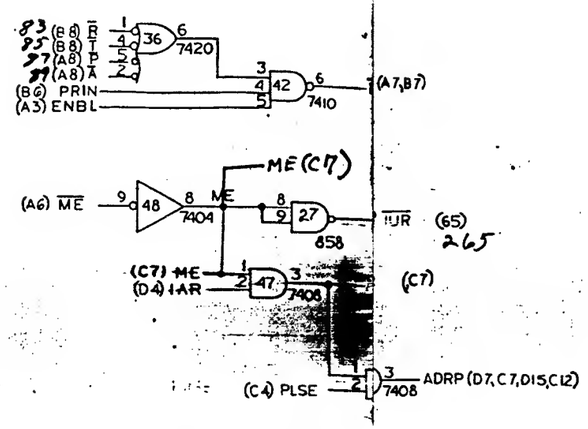
INTERRUPT REQUEST FLIP-FLOPS



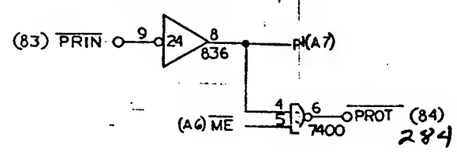
INTERRUPT DECODING



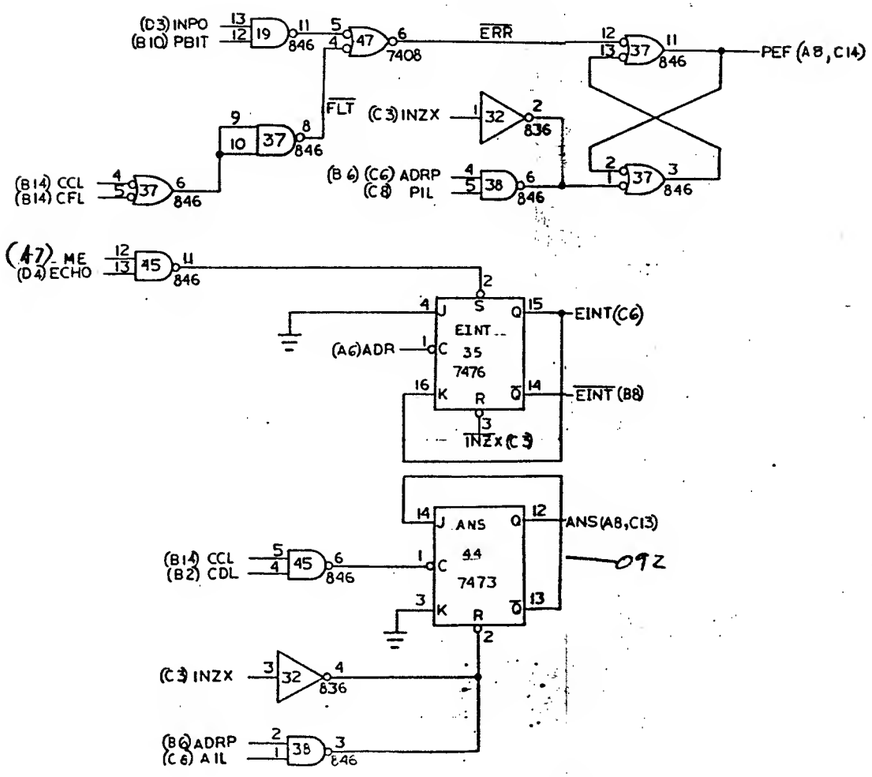
INTERRUPT REQUEST



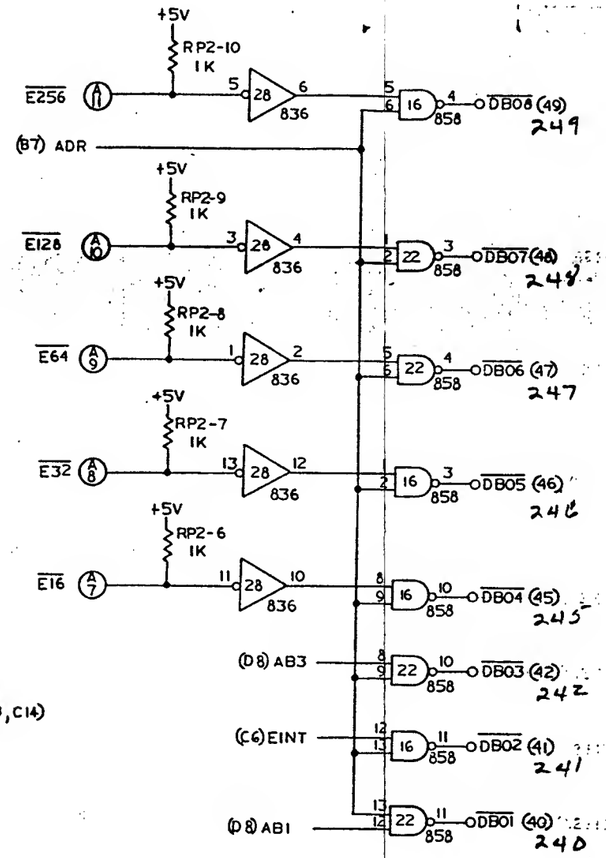
PRIORITY LOGIC



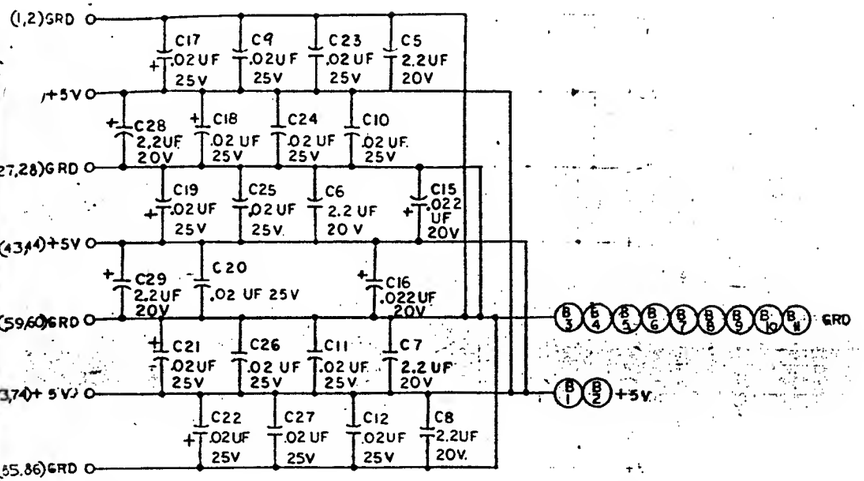
INTERRUPT CONDITION

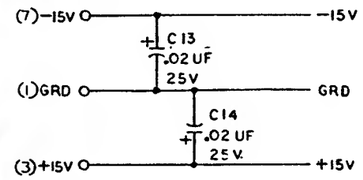


INTERRUPT ADDRESS GENERATOR

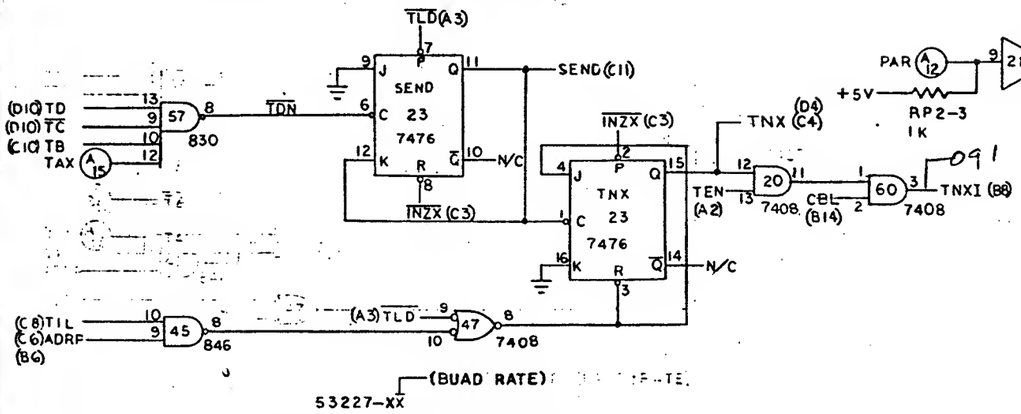


	SIZE		REV
	D	00-52227-XX	A4
	SCALE=	SHT. 2 OF 4	



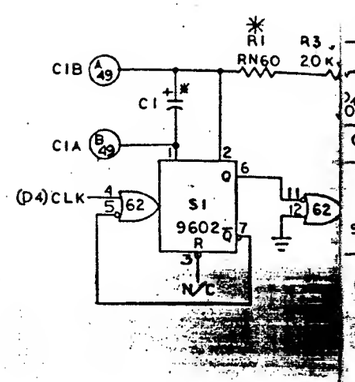


TRANSMIT CONTROL IN.

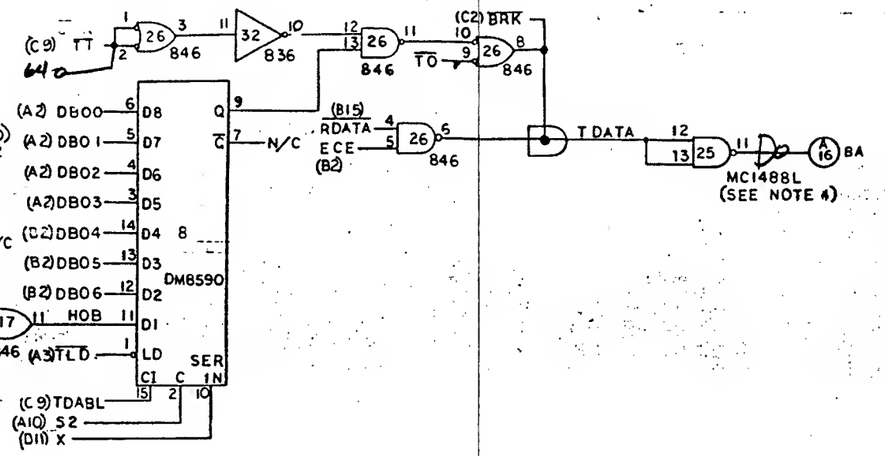


	BAUD	RATE	TABULATION		
DIGIT NO.	BAUD RATE	VALUE C1	VALUE C3	VALUE R1	VALUE R2
-11	110	1.5 UF	.68 UF	14.3K	14.3K
-12	150	1.5 UF	.68 UF	14.3K	14.3K
-13	300	1.5 UF	.68 UF	4.99K	4.99K
-14	600	.33 UF	.15 UF	14.3K	14.3K
-15	1200	.15 UF	.082 UF	4.99K	4.99K
-16	1800	.15 UF	.082 UF	4.99K	4.99K
-17	2400	.15 UF	.082 UF	4.99K	4.99K
-18	4800	.039 UF	.039 UF	4.99K	4.99K
-19	9600	.015 UF	.015 UF	4.99K	4.99K

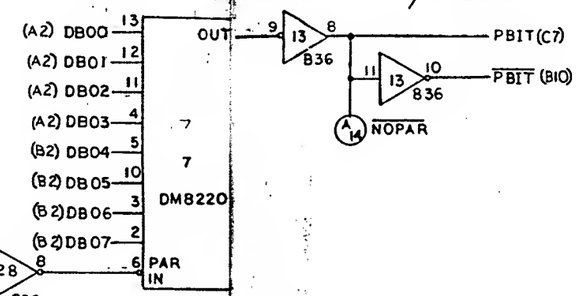
TRANSMIT SHIFT GENERATOR



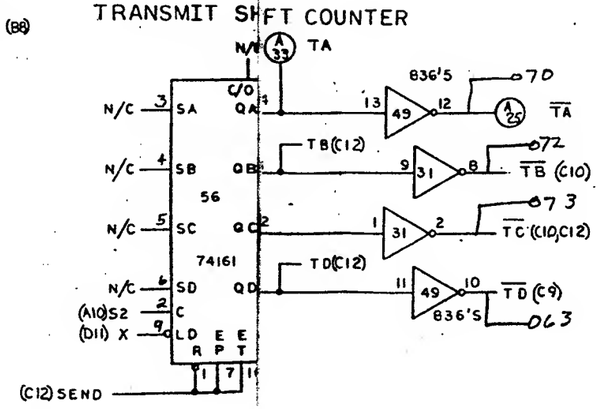
TRANSMIT DATA REGISTER LOGIC



PARITY GENERATOR/CHECKER



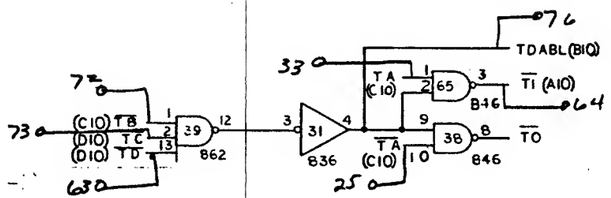
TRANSMIT SHIFT COUNTER



+5V
RP2-2
1K
X (A13, B10, D11, B14)

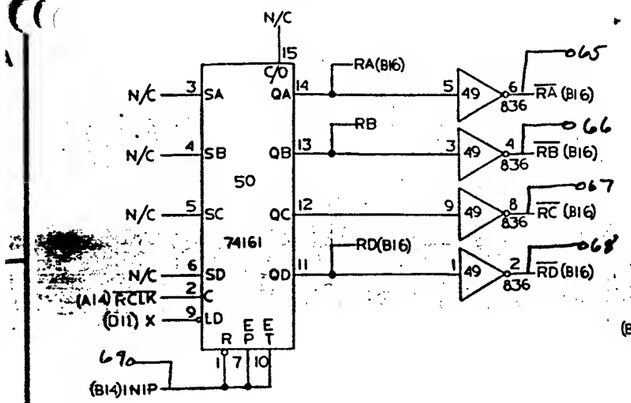
* TEST
SEE TABULATION BLOCK (THIS SHT)

P/O TRANSMIT CONTROL

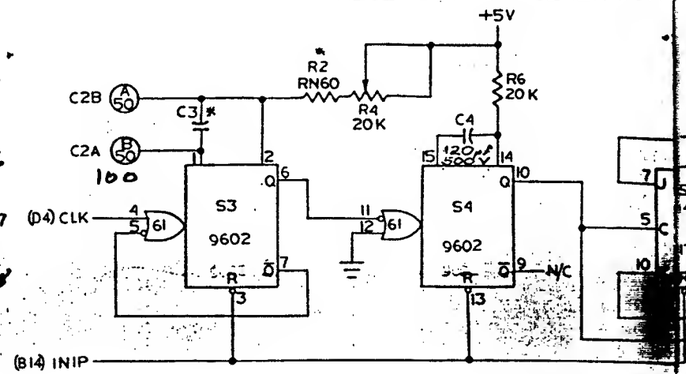


	SIZE	CO-52227-XX	REV
	D		A4
	SCALE=	SHT. 3 OF 4	

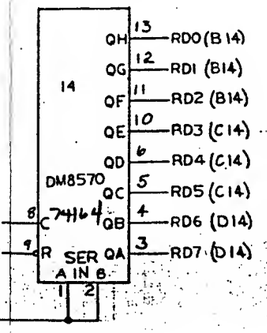
RECEIVE SHIFT COUNTER



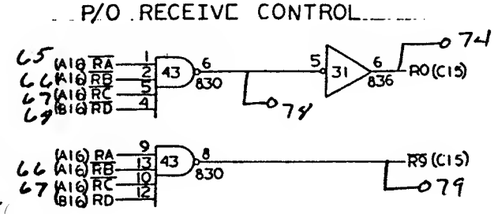
RECEIVE SHIFT GENERATOR



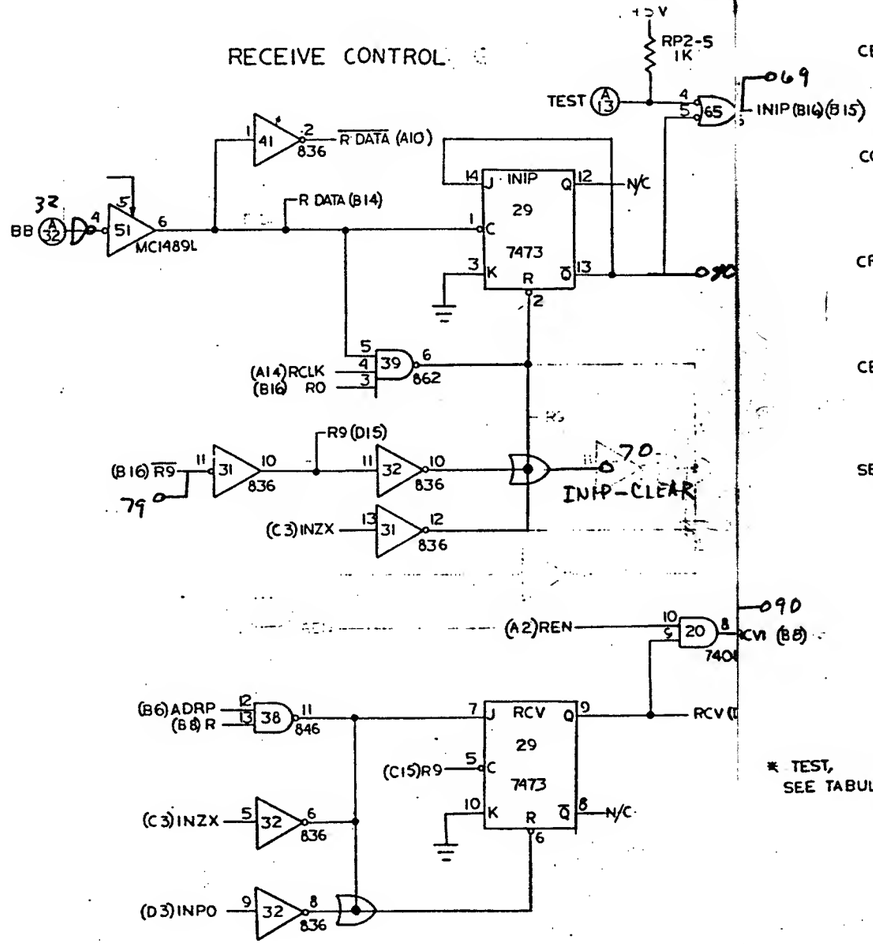
RECEIVE DATA REGISTER



P/O RECEIVE CONTROL

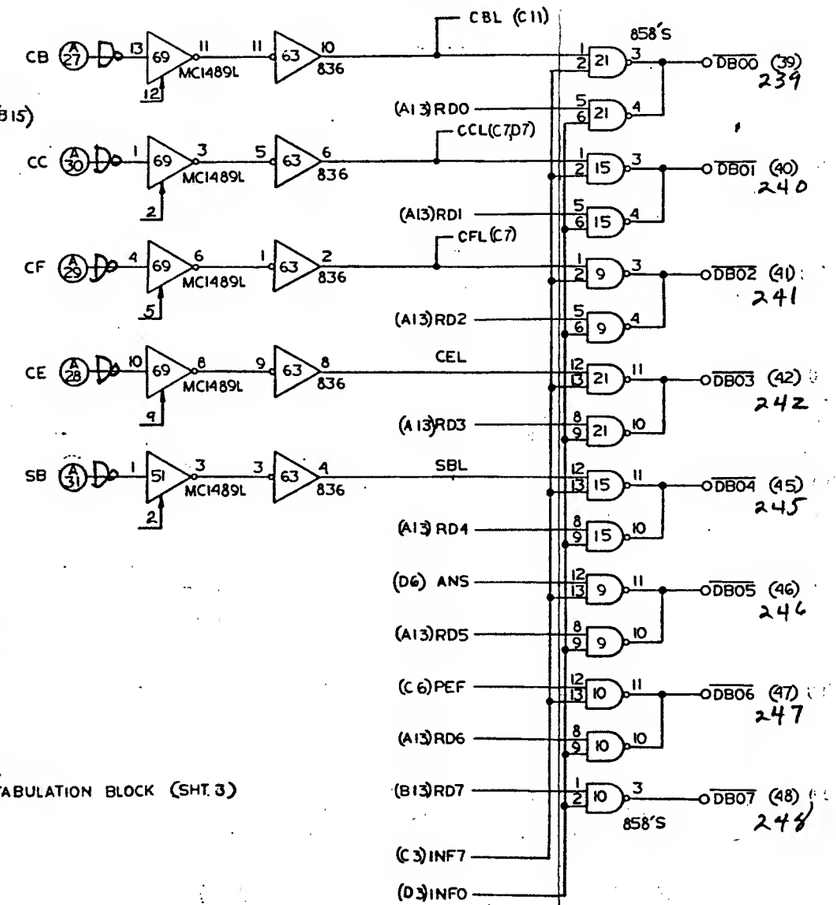


RECEIVE CONTROL



* TEST,
SEE TABULATION BLOCK (SHT. 3)

DATA BUS DRIVERS



	SIZE		REV
	D	00-52227-XX	A4
		SCALE =	SHT. 4 OF 4